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(54) Title: MICROCAPILLARY HYBRIDIZATION CHAMBER

(57) Abstract: The invention provides a microcapillary hybridization chamber made of a narrow bore tubing with probe segments. Each probe segment has oligonucleotide probes covalently attached to the inner wall of the tubing and the oligonucleotide probes within each segment have identical, known sequences. Many oligonucleotide probe segments can be present within a single centimeter of tubing. The invention further provides methods for using the microcapillary hybridization chambers in hybridization assays.



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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/07688

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G01N 15/06; C12M 1/00; C12N 11/16; C12Q 1/68

US CL : 435/6, 174, 283.2, 287.2; 422/68.1, 82.05

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 435/6, 174, 283.2, 287.2; 422/68.1, 82.05

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
EAST, DIALOG

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,294,392 B1 (KUHR et al) 25 September 2001 (25.09.2001) columns 8, 10, 18, 21 and 25.	1-28
X	US 5,763,263 A (DEHLINGER) 09 June 1998 (09.06.1998) columns 4, 11, 17 and 18.	1, 4-9, 12-14, 19-21
Y		2-3, 10-11, 15-18, 22-28

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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"P" document published prior to the international filing date but later than the priority date claimed	

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